

Assigned DOGM File No.: S /003/022
DOGM Lead: A.A. GALLEGOS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
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AUG 24 1993

DIVISION OF
OIL, GAS & MINING

SMALL MINING OPERATIONS PLAN, and
NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program.

"Small Mining Operations" means mining operations which disturb five or less surface acres at any given time.

* * * * *

I. GENERAL INFORMATION (Rule R647-3-104)

1. Name of Claim/Mine: 9 Firefly claims - - Lone Pine Mine
2. Name of Operator/Applicant: Lorenzo C. Demars
Company () Corporation () Partnership () Individual (x)
3. Permanent Address: 233 South 300 East
City: Logan State: Utah Zip Code: 84321
Telephone Number: (801) 752-8892
4. Ownership of Land Surface:

Private (Fee) ☒ Public Domain (BLM) ☐ National Forest (USFS) ☐
State of Utah ☐ Other: I am one of the owners of the land.
5. Ownership of Minerals:

Private (Fee) ☐ Public Domain (BLM) ☒ National Forest (USFS) ☐
State of Utah ☐ Other: _____

Form MR-SMO

BLM UMC Nos. 136470, 136471, and 217158 thru 217164, covering Page 2
Firefly Claims 1 thru 9, The E 1/2 of the NE 1/4 of Sect. 10, T 9 N, R 17 W,
SLB & M, western Box Elder County, Utah.

Utah Mining Claim Number(s): _____

Work will be performed on the W 1/4 of Firefly Claim No. 2, BLM UMC No
136471. Also, near the center of Firefly claim No. 1, BLM UMC No 136470.
Utah State Lease Number(s): N/A

6. Have the above owners been notified in writing? Yes X No _____
If no, why not? I am one of the two owners. My partner, Edward Lore died, and
therefore his son David, (the other owner) and I are working together.
7. Does the operator have legal right to enter and conduct mining operations on
the land covered by this notice? Yes X No _____

II. PROJECT LOCATION & MAP (Rule R647-3-105)

1. Project Location (legal description):
County(ies): Box Elder County, Utah See above description.
____ 1/4, of ____ 1/4, of ____ 1/4: Section: ____ Township: ____ Range: ____
____ 1/4, of ____ 1/4, of ____ 1/4: Section: ____ Township: ____ Range: ____
____ 1/4, of ____ 1/4, of ____ 1/4: Section: ____ Township: ____ Range: ____
2. A topographic base map showing the location of the proposed small mining
operation must be submitted with this notice. A USGS 7.5 minute series map
is preferred. The areas to be disturbed should be plotted in sufficient detail so
that they can be located on the ground. It is recommended that the operator
also plot and label any previous disturbances in the immediate vicinity that he
is not responsible for. Two maps attached. They are part of the Rocky Pass Peak,
Utah topographic map. Disturbed areas are shown on pages 143 and 144.
I'll disturb 5 acres or less of currently
undisturbed ground (See attachments).

III. OPERATION PLAN (Rule R647-3-106)

1. Type of mining: Surface ☒ Underground ☐
2. Mineral(s) to be mined: Gold, silver and tungsten.
3. Provide a brief description of the proposed mining operation and onsite
processing facilities.

Area marked No. 1 on attach. will consist of two 50 foot drill holes to
determine the presence of another lode or pod of scheelite tungsten.

This area has already been totally disturbed. No road will be needed to
permit access, and there is already a flat area disturbed to place the drill
rig. Area No. 2 on attach. is already along an access road. Two drill holes
are planned here. The only larger area that will be worked and disturbed
is labeled No. 3 on the attach. I will be responsible for this disturbance.
New Road(s): Length N/A (ft) Width N/A (ft) All roads are in.

The gold occurs
as free gold, and
a ball mill and a
gravity concentrator
will be put
in place at the pond.

Total project surface acreage to be disturbed: 5 or less (acres).

V. VARIANCE REQUEST (Rule R647-3-110)

Yes ☒ No ☐

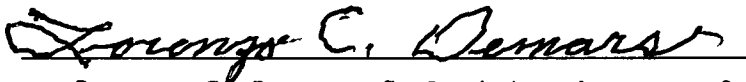
Any planned deviations from Rules R647-3-107, Operation Practices, R647-3-108, Hole Plugging Requirements, or R647-3-109, Reclamation Practices, as summarized above, should be identified below and justification given for the variance request(s).

<u>Item Number</u>	<u>Variance Request Justification</u>
_____	If the 4 50 foot drill holes show <u>no</u> commercial mineralization,
_____	they will be filled in with dirt. If Commercial mineralization is found
_____	through drilling, only one acre or less will be disturbed at each
_____	site. In this case, area 3 will cover 3 acres or less. If no
	commercial ore is found at sites 1 and 2, then area 3 will cover
	5 or less acres.

VI. SIGNATURE REQUIREMENT

I hereby commit to conduct mining operations and to reclaim the aforementioned small mine as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.

Signature of Operator/Applicant:



Name (typed or printed):

Lorenzo C. Demars, Geologist and owner of ground.

Title/Position (if applicable):

Land owner and operator

Date:

23 August 1993.

3:MR-SMO

GEOLOGICAL AND ENGINEERING SERVICES COMPANY

- | | |
|-------------------------------|-------------------------------|
| * Oil and Mineral Exploration | * Environmental Engineering |
| * Mine Development | * Earthquake Studies |
| * Groundwater Surveys | * Structural & Pavements Engr |
| * Mineral Assays | * Home Site Evaluation |
| * Abstracts | * Product Sales |

LORENZO C. DEMARS

Consulting Geologist

233 SOUTH 300 EAST
LOGAN, UTAH 84321
PHONE: (801) 752-8892

* Member Utah Geological Association

* Over 10,000 hours experience in aerial photograph interpretation

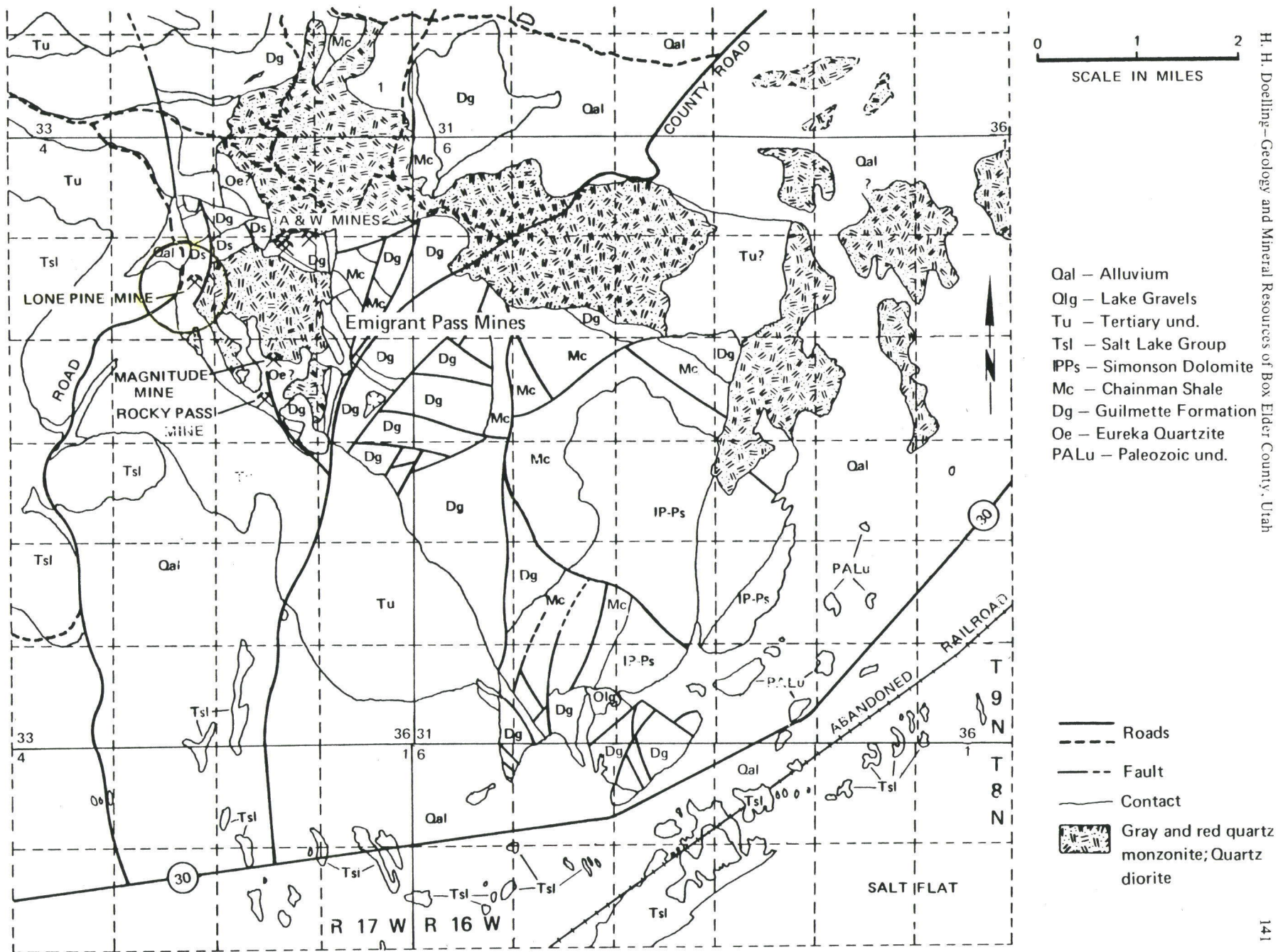
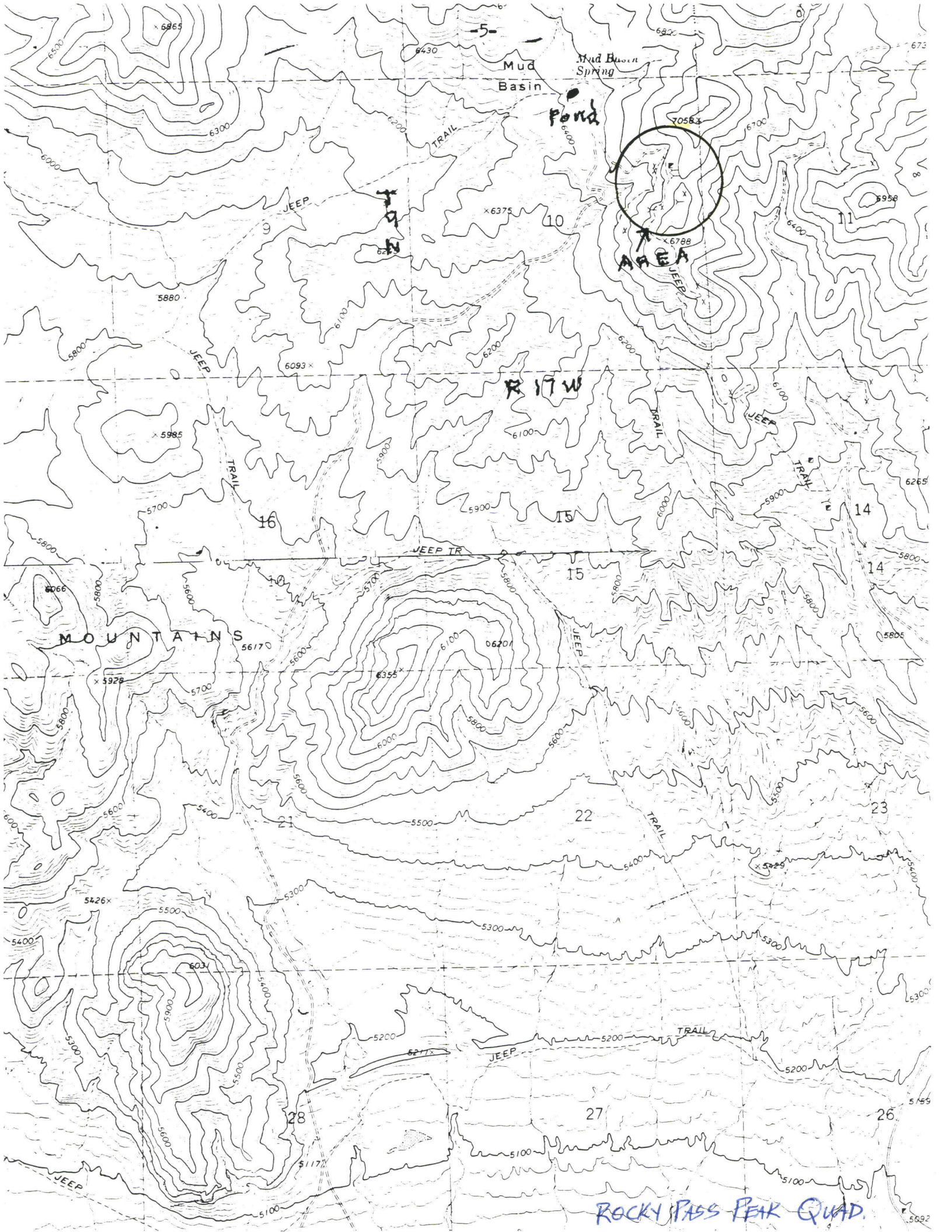


Figure 48. Rocky Pass area, Rosebud district, Grouse Creek Mountains (from Everett 1961).



ROCKY PASS PEAK QUAD.

Spring

Parad.

7058x

TRAIL

2

②



JEEP

TRAIL

KEEP TR

15

JEER

06201

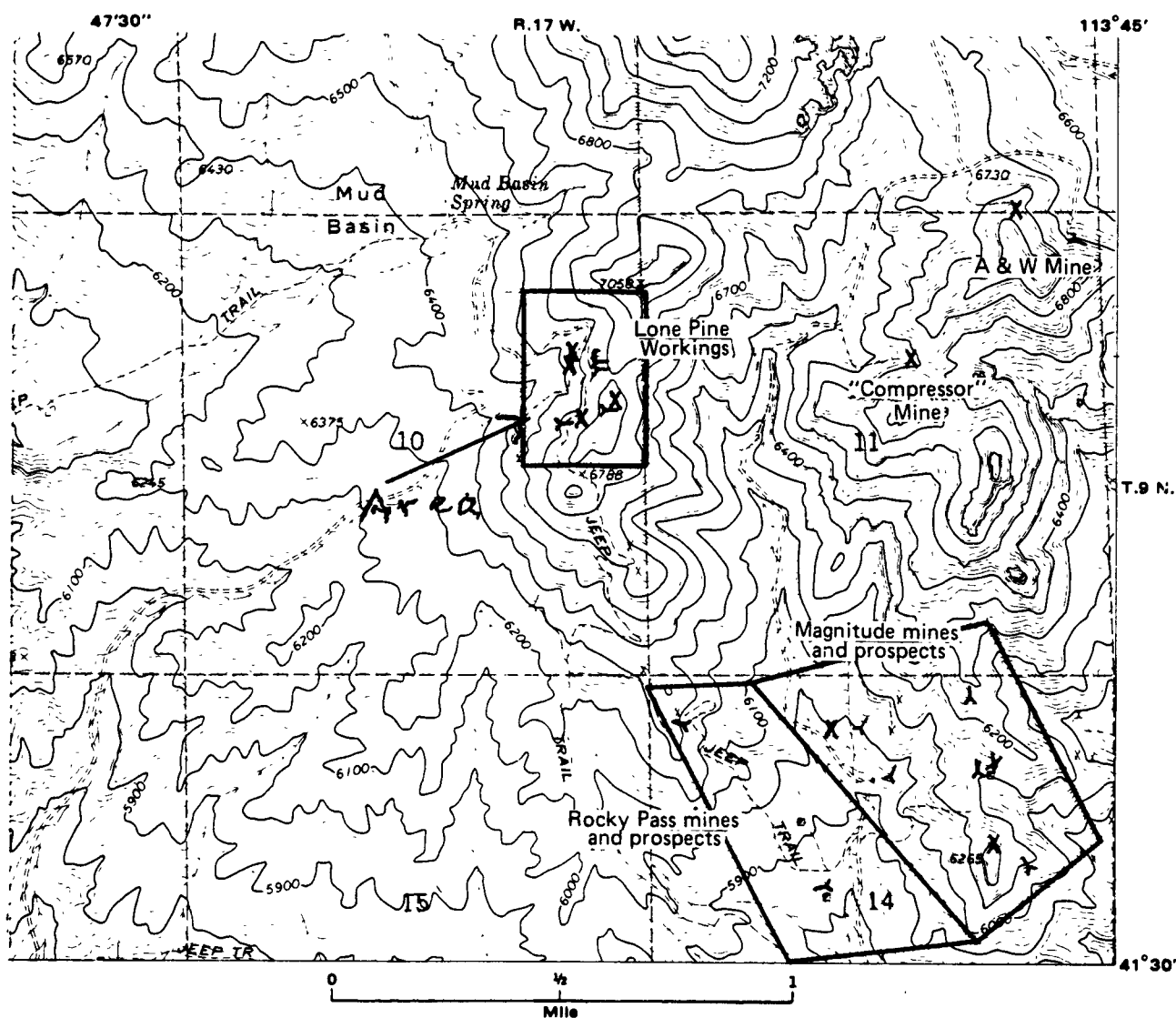
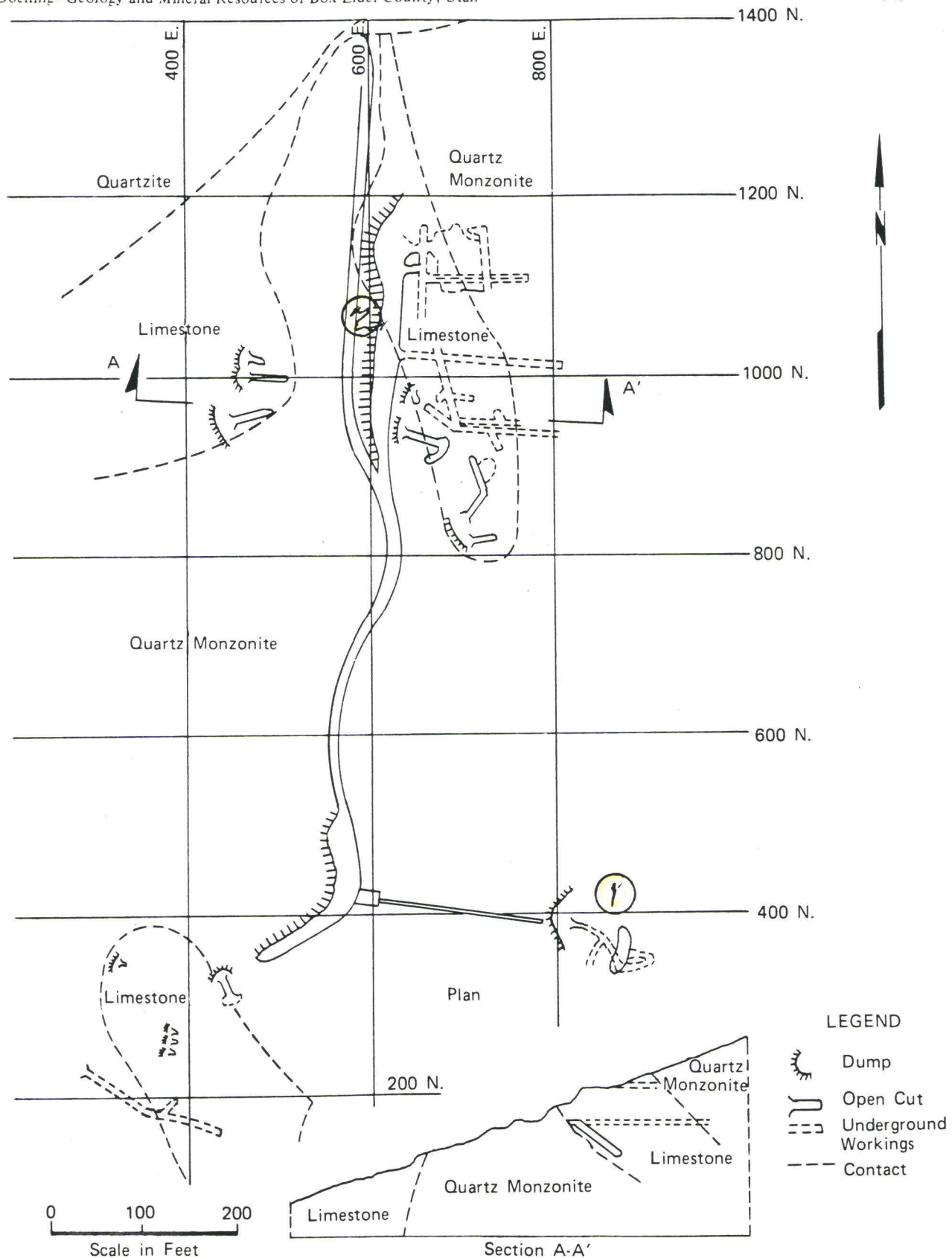


Figure 49. Rocky Pass mines and prospects, Rosebud district.

and are here labelled the "Emigrant Pass" mines. The mines and prospects are confined to a $\frac{1}{4}$ -mile area near the intrusive outcrop. Host rocks include the Simonson Dolomite, perhaps the Guilmette Formation, and the Mississippian Chainman Shale. The limestones adjacent to the intrusive rocks are bleached, marbled and often brecciated. Rusty fissures appear to be the only mineralization close to the intrusion. The larger workings are about 1,000 feet from the contact and are cut in limestone, dolomite, and silicified black shale (figure 56). These consist of two tunnels (mines A & B), the lower with 800 feet of workings, the upper with 250 feet.

There are some prospect pits and a 20-foot shaft above the tunnels, presumably in northwest-trending

fissures; the objective for the tunnels was to intersect the fissures and this appears to have been done. Mineralization consists of rusty fissures or quartz-filled fissures. What appears to be a dike or sill of intrusive rock is also present in the rear of the principal crosscut. Some scheelite was noted in this part of the working. Except for the scheelite no identifiable ore minerals were seen and most of the main tunnel is cut in unaltered rock. Some ore was taken from small pockets along the fissures in the mine crosscuts and probably consisted of argentiferous cerussite and anglesite. Small specks of pyrite are in places disseminated in the silicified shale. The "Emigrant Pass" mines were abandoned at the time of visit (July, 1972), but appearances indicate that they are intermittently subjected to development work (figure 57).



Rocky Pass Area, Rosebud District

(From U. S. Bureau of Mines Information Circular 8014, by Everett, 1961)

Figure 50. Workings at the Lone Pine property.

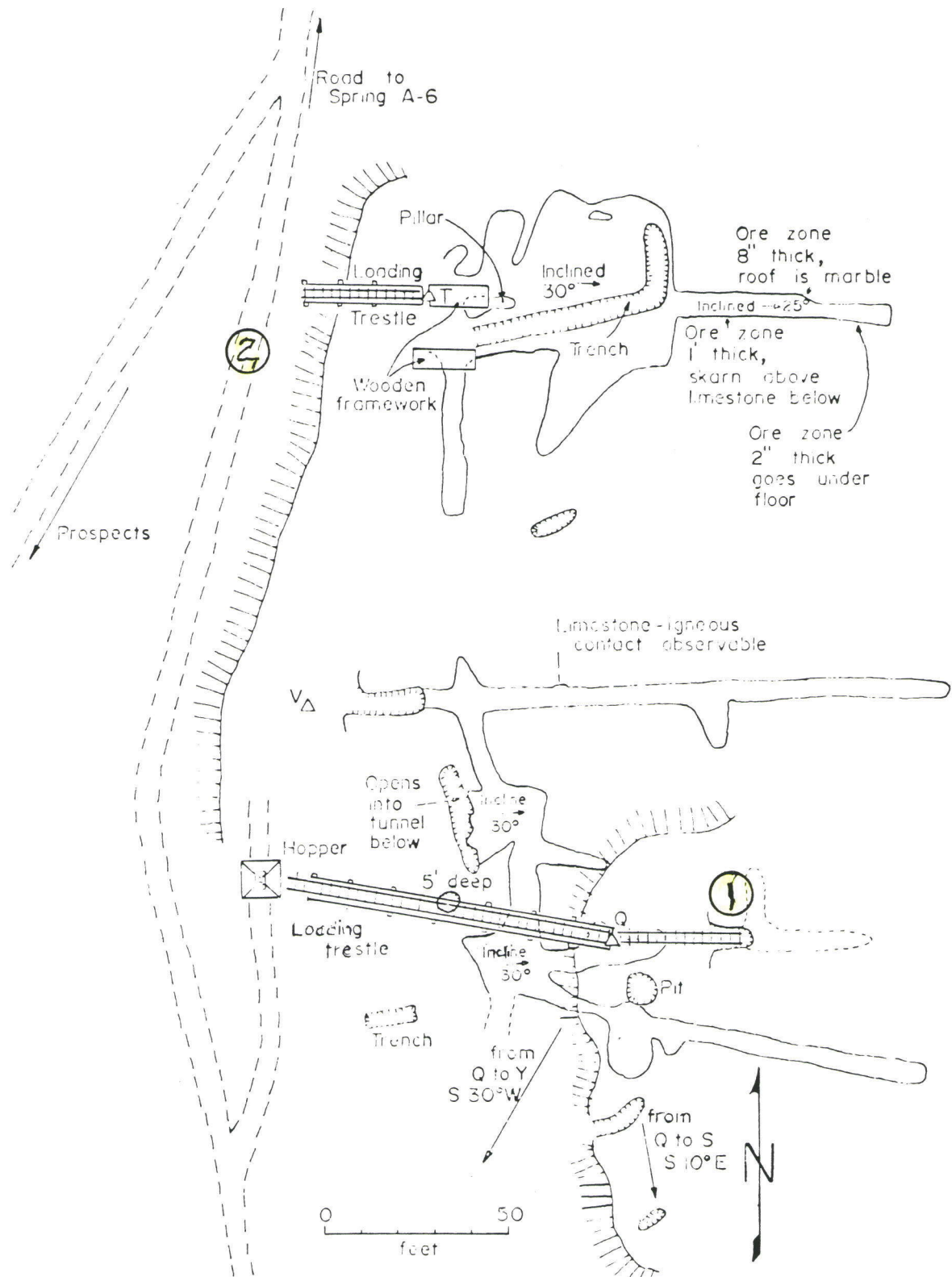


Figure 51. A. M. W. mining area (Lone Pine mine), Rocky Pass area, Rosebud district.